

CLAIMS

1. A motor, comprising:
a stator having a winding wound in a stator core; and
5 a rotor rotationally supported to face an internal diameter cylindrical surface of the stator core, wherein said stator is configured so that a plurality of power supply terminals each comprising a tab of a planar protrusion are located on an end face of the stator core, a power supply
10 side end of the winding is connected to the power supply terminal, and a lead wire having a flag type terminal attached thereto is connected to the power supply terminal in a direction intersecting a press-fitting direction into the tab, wherein the plurality of power supply terminals are arranged at the
15 same height from the end face of the stator core and are inclined so that faces of the tabs thereof are not arranged on the same plane.
2. The motor according to claim 1, wherein the plurality
20 of power supply terminals are arranged on the same circle.
3. The motor according to claim 1 or 2, wherein the lead wire is drawn from the end face where the power supply terminals are arranged to an opposite end face through adjacent teeth
25 of a plurality of teeth stretched toward the internal diameter cylindrical surface of the stator core in a radius direction.
4. The motor according to any one of claims 1 to 3, wherein a first insulating end plate and a second insulating end plate
30 for insulating the stator core and the winding are located on both end faces of the stator core, and a power supply terminal holding portion for holding the power supply terminal is located on the first insulating end plate.

5. The motor according to claim 4, wherein the first insulating end plate has a pillar and the lead wire is fixed on the pillar.

5 6. The motor according to claim 5, wherein the second insulating end plate has a pillar and the lead wire is fixed on the pillar.

10 7. The motor according to claim 4, wherein the first insulating end plate has a plurality of walls arranged zigzag and the lead wire is fixed through the walls.

15 8. The motor according to claim 4, wherein the second insulating end plate has a plurality of walls arranged zigzag and the lead wire is fixed through the walls.

20 9. The motor according to claim 1, further comprising a power supply cover made of a nonconductive material and covering the flag type terminal.

10. The motor according to claim 9, wherein the first insulating end plate has a protrusion for holding the power supply cover and the power supply cover has a hole for engaging with the protrusion.

25 11. The motor according to claim 1, wherein the winding is a concentrated winding wound around each tooth stretched toward the internal diameter cylindrical surface of the stator core in a radius direction.

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